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**FEDERAL-STATE-PRIVATE
COOPERATIVE SNOW SURVEYS**

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PROCUREMENT SECTION
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WATER SUPPLY OUTLOOK FOR NEVADA

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

**NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
FEB. 1, 1971

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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INDEX TO NEVADA SNOW COURSES (By Basins)

Refer to the map on the following page for Snow Course locations.

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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SNAKE RIVER BASIN

SNAKE RIVER					
13M1A	BEAR CREEK	31	46N	58E	7800
15H2	FOX CREEK	33	46N	58E	6800
15H13A	GOAT CREEK	31	46N	60E	8800
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945
14H1	JACKS CREEK	6	42N	62E	7000
15H20a	MERRITT MOUNTAIN	10	46N	54E	7000
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330
15H18a	RED POINT	15	47N	61E	7840
15H3A	76 CREEK	6	44N	58E	7100
15H19a	5TAG MTN.	29	41N	58E	7800

OWYHEE RIVER

15H4MP	BIG BEND	30	45N	56E	6700
16H6a	COLUMBIA BASIN	31	44N	53E	6650
16H8a	FAWN CREEK	2	45N	52E	7000
15H5	GOLD CREEK	32	45N	56E	6600
16H1M	JACK CREEK, LOWER	18	42N	53E	6800
16H2A	JACK CREEK, UPPER	9	42N	53E	7250
16H4	JACKS PEAK	28	42N	53E	8200
16H5	LAUREL CRAW	20	45N	53E	6700
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440
15H9MP	TAYLOR CANYON	35	39N	53E	6200

INTERIOR

UPPER HUMBOLDT RIVER

15J17a	AMERICAN BEAUTY	32	31N	58E	7800
15J12A	CORRAL CANYON	27	28N	57E	8500
15J1MP	ORSEY BASIN	28	35N	60E	8100
15J3	ORY CREEK	5	34N	60E	6500
15H7	FRY CANYON	31	43N	54E	6700
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000
15J10	HARRISON PASS #1	9	28N	57E	6600
15J11	HARRISON PASS #2	16	28N	57E	7400
15J4	LAMOILLE #1	15	32N	58E	7100
15J5	LAMOILLE #2	14	32N	58E	7200
15J6M	LAMOILLE #3	24	32N	58E	7700
15J7	LAMOILLE #4	19	32N	59E	8000
15J8P	LAMOILLE #5	31	32N	59E	8700
15J18a	POLE CANYON	31	35N	61E	9140
15J16a	ROBINSON LAKE	23	33N	59E	9200
15H6MP	ROOED FLAT	36	43N	53E	6800
15J2	RYAN RANCH	1	34N	59E	5800
15H8	TREMEWAN RANCH	9	39N	55E	5700
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500

LOWER HUMBOLDT RIVER

17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600
17K2	BIG CREEK MINE	23	17N	43E	7600
17K3	BIG CREEK, UPPER	26	17N	43E	7800
17H2	BUCKSKIN, LOWER	31	45N	39E	6700
17H1	BUCKSKIN, UPPER	11	45N	39E	8200
17L1	CORRAL, LOWER	12	11N	40E	7500
17L2	CORRAL, UPPER	20	11N	41E	8000
17J2	GOLCONOA #2	22	35N	39E	6000
17H4	GRANITE PEAK	22	44N	39E	7800
17H5	LAMANCE CREEK	13	42N	38E	6000
17H3	MARTIN CREEK	18	44N	40E	6700
16H3AP	MIDAS	18	39N	46E	7200
16H7	TOE JAM a	29	40N	50E	7700

EASTERN NEVADA

14L1	BAKER #1	29	13N	69E	7950
14L2	BAKER #2	30	13N	69E	8950
14L3	BAKER #3	25	13N	68E	9250
14K2	BERRY CREEK	26	17N	65E	9100
14K1	BIRO CREEK	34	19N	65E	7500
15J13	CAVE CREEK	25	27N	57E	7500
15J14	HAGER CANYON	34	27N	57E	8000
15J15	HOLE-IN-MTN	6	35N	61E	7900
14K8	KALAMAZOO CREEK	34	20N	65E	7400
14K3	MURRAY SUMMIT	25	16N	62E	7250
15K1	ROBINSON SUMMIT	34	18N	61E	7600
14K7	SILVER CREEK #2	30	16N	69E	8000
14K5	WARO MOUNTAIN #2	25	15N	62E	8900

CENTRAL GREAT BASIN

18M2	CAMPITO MTN (CAL.)	19	5S	35E	10200
18H5a	CHIATOVICH FLAT	32	25	34E	10500
15N2	CLARK CANYON	8	19S	55E	9000
18M1	MONTGOMERY PASS	4	1N	33E	7100
18M3a	PINCHOT CREEK	28	1N	33E	9300
18M4a	PIUTE PASS (CAL.)	33	4S	33E	11700
15N1	TROUGH SPRINGS	23	18S	55E	8500

NORTHERN GREAT BASIN

19H1	BALO MOUNTAIN	17	45N	21E	6720
20H5	BARBER CREEK (CAL.)	23	39N	16E	6500
20H6	CEGAR PASS (CAL.)	12	43N	14E	7100
18G6a	DENIO CREEK (OREG.)	14	41S	34E	6000
18H1	DISASTER PEAK	8	47N	34E	6500
20H3a	GRISWOLD SWAMP (CAL.)	1	48N	22E	7000
20H7	EAGLE PEAK (CAL.)	35	40N	15E	7200
19H3	49-MTN	7	42N	19E	6000
19H2	HAYS CANYON	1	39N	18E	6400
19H4a	LITTLE BALLY MTN	8	45N	19E	6000
20H9	MT. BOWELL	6	47N	16E	7200
20H10	NORTH STAR	13	47N	15E	6200
17G5a	OREGON CANYON (OREG.)	9	40S	40E	7240
17H6a	QUINN CREEK	4	47N	41E	7300
20H4	RESERVATION CREEK (CAL.)	12	46N	15E	5900
18G5a	TROUT CREEK (OREG.)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
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LAKE TAHOE

20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450
19L2	FREEL BENCH (CAL.)	36	12N	18E	7300
19K6	GLENBROOK #2	13	14N	18E	6900
19L3M5Z	HAGANS MEADOW (CAL.)	36	12N	18E	8000
20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200
19K4M5TZ	MARLETTE LAKE	18	15N	19E	8000
20L3	RICHAROSONS #2 (CAL.)	6	12N	18E	6500
20L1	RUBICON #1 (CAL.)	6	13N	17E	8100
20L2	RUBICON #2 (CAL.)	6	13N	17E	7500
20K16	TAHOE CITY (CAL.)	6	15N	17E	6250
19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400
20K17M	WARO CREEK (CAL.)	21	15N	16E	7000
20K255TZ	WARO CREEK #2 (CAL.)	21	15N	16E	6750

TRUCKEE RIVER

20K14	BOCA #2 (CAL.)	28	18N	17E	5900
20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100
20K21	ONNER PARK #2 (CAL.)	18	17N	16E	6000
20K10*	ONNER SUMMIT (CAL.)	25	17N	14E	6900
20K7*	FOROYCE LAKE (CAL.)	34	18N	13E	6500
20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700
19L10	HEAVENLY VALLEY	1	12N	17E	8850
20K4MP	INDEPENDENCE CAMP (CAL.)	34	19N	15E	7000
20K3	INDEPENDENCE CREEK (CAL.)	14	19N	15E	6500
20K5	INDEPENDENCE LAKE (CAL.)	9	18N	15E	8450
19K3	LITTLE VALLEY	17	16N	19E	6300
19K2	MT. ROSE	7	17N	19E	9000
19K7	MT. ROSE 5KI AREA	30	17N	19E	9000
20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500
20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500
20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400
20K2	WEBBER LAKE (CAL.)	23	19N	14E	7000
20K1*	WEBBER PEAK (CAL.)	30	19N	14E	8000

CARSON RIVER

19L5	BLUE LAKES (CAL.)	30	9N	19E	8000
19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600
19K5	CLEAR CREEK	6	14N	19E	7300
19L19a	EBBETTS PASS (CAL.)	17	8N	20E	8700
19L16a	FISH VALLEY, UPPER (CAL.)	18	7N	22E	8050
19L06a	POISON FLAT (CAL.)	25	8N	21E	7900
19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100
19L20a	WOLF CREEK (CAL.)	35	8N	20E	8000

WALKER RIVER

19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500
19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7500
19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400
18L1	LAPON MEADOW	36	8N	28E	9000
19L8	LEAVITT MEADOWS (CAL.)	4	5N	22E	7200
19L17a	LOBDELL LAKE (CAL.)	20	7N	24E	9200
18L2	MT. GRANT	23	8N	28E	9000
19L7M	SONORA PASS (CAL.)	1	5N	21E	8900
19L23STZ	SONORA PASS BRIDGE	6	5N	22E	8800
19M1*	TIOGA PASS (CAL.)	30	1N	25E	9900
19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500
19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250
19L22RZ	VIRGINIA LAKES RIDGE	32	3N	25E	9200

COLORADO

LOWER COLORADO RIVER

15N5	KYLE CANYON	27	19S	56E	8200
15N4	LEE CANYON #1	10	19S	56E	8400
15N3	LEE CANYON #2	9	19S	56E	9200
15N8	LEE CANYON #3	10	19S	56E	8500
14M1	MATHEW CANYON	10	6S	70E	6000
14M2	PINE CANYON	23	6S	69E	6200
15N7	RAINBOW CANYON #2	6	20S	57E	8100
15L1	WHITE RIVER #1	31	13N	59E	7400

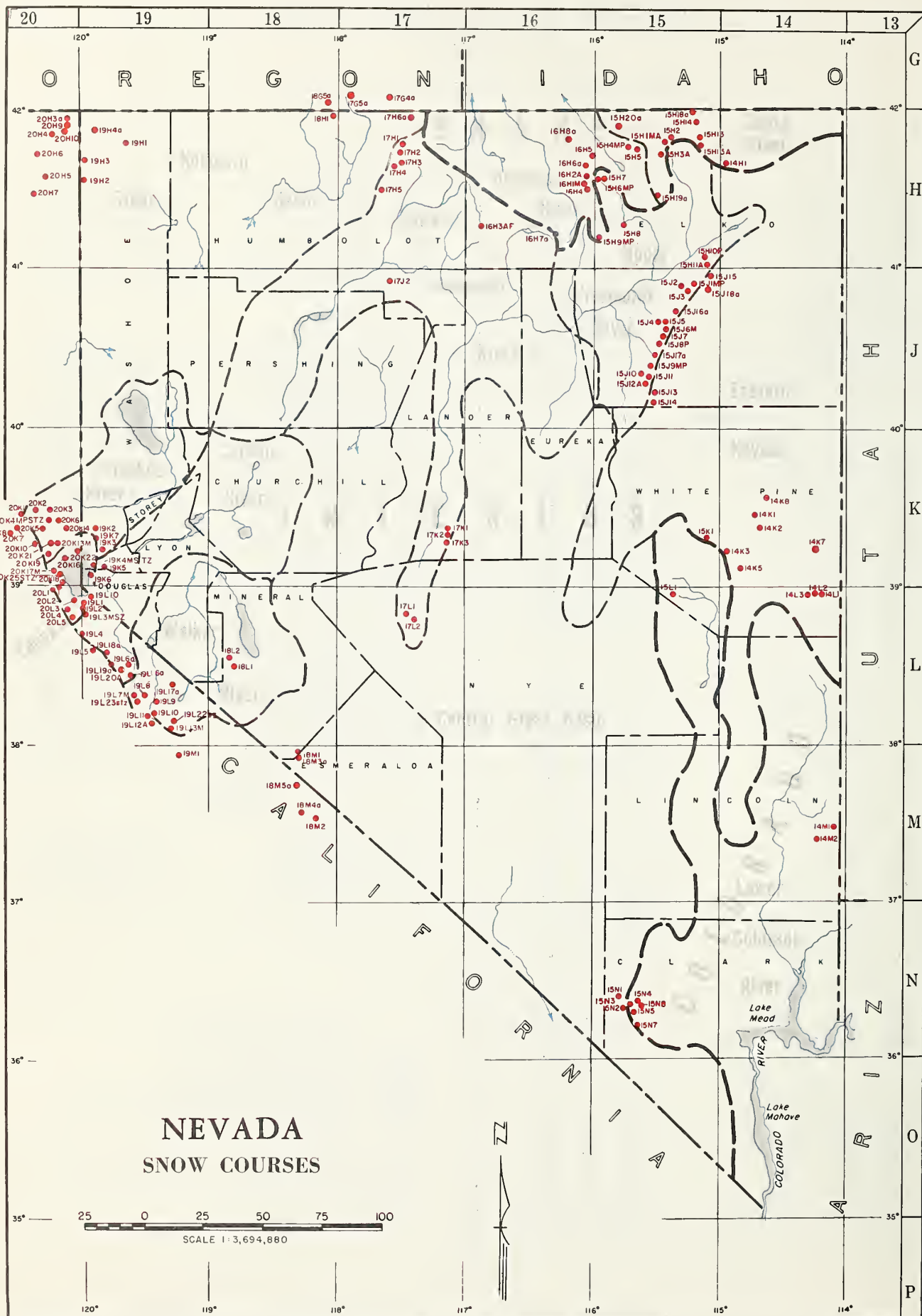
LEGEND

NUMBERING SYSTEM (EXAMPLE)

19K4	SNOW COURSE ONLY
19K45	SNOW COURSE AND SNOW PILLOW
19K4M	SNOW COURSE AND SOIL MOISTURE
19K4A	SNOW COURSE AND AERIAL MARKER
19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE
19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER
19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE
19K45TZ	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERED.

LOWER CASE LETTERS M, S, P, S, L, Z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERED.

*LOCATED ON ADJACENT WATERSHED



WATER SUPPLY OUTLOOK FOR NEVADA

AS OF FEBRUARY 1, NEVADA'S 1971 WATER SUPPLY OUTLOOK REMAINS MUCH ABOVE AVERAGE. FIRST-OF-THE-MONTH SNOW SURVEYS INDICATE THAT MOST OF THE WATERSHEDS IMPORTANT TO NEVADA'S WATER SUPPLY GENERALLY HAVE ABOVE-AVERAGE SNOWPACK CONDITIONS. RESERVOIR-STORED WATER REMAINS EXCELLENT AT 150 PERCENT OF THE USUAL QUANTITY CONTAINED ON THIS DATE. MOUNTAIN SOIL MOISTURE INCREASED SINCE LAST MONTH, AND MOST AREAS ARE INDICATING NEAR NORMAL SOIL MOISTURE CONDITIONS.

Snow surveys taken near February 1 indicate that most of the mountain watersheds did not receive the normal snowfall expected during January. This, in part, was due to the very warm widespread mid-January storm. This general rain storm came in two parts. The first soaked into the top one foot of the snowpack and froze. The following rain ran off of the snow surface without soaking in, and in many cases eroded gulleys in the snowpack.

The snowpack in the Tahoe-Truckee Basin currently is 157 percent of average for this date. Many of the snow courses in this basin currently have more snow than normally is expected by April 1. The mountain snowpack usually accumulates to its deepest depth near April 1.

The above-average snowpack, coupled with excellent reservoir storage and near-average mountain soil moisture, will produce better-than-average water supplies in the Tahoe-Truckee Basin this coming year.

The snowpack in the Carson and Walker drainages is somewhat less than the Truckee snowpack, but it is still above normal at 135 percent. These basins, similarly, have good carryover storage in the Lahontan, Topaz, and Bridgeport reservoirs, and water users should have a good water supply again this season.



The February 1 surveys indicate that the snowpack in the Humboldt drainage is currently only slightly above average at 110 percent. Most of the snowpack on the ground in the valleys and the south- and east-facing mountain slopes, as of January 1, melted and ran off during the mid-month storm. The remaining near-average snowpack and soil moisture conditions indicate water users along the Humboldt and its major tributaries will have another good irrigation season this year.

Water users in the Lower Humboldt, below Rye Patch Reservoir, are in excellent shape again this season. Rye Patch Reservoir currently has 166,000 acre-feet of stored water, which is near the usable capacity. This storage, plus near-normal streamflow, will insure a good irrigation supply this summer in the Lovelock area.

Water users in the Owyhee River drainage can look forward to excellent irrigation water prospects this year. The Owyhee River is predicted to flow between 130 and 140 percent of average.

A few areas of the state will need to have at least normal or above-normal snowfall for the remaining two months of the snow season to insure adequate water supplies this summer. Specifically, these areas include the Surprise Valley area in the Northern Great Basin and the Fish Lake Valley area in the Central Great Basin.





STREAMFLOW FORECASTS (Thousand Acre Feet) as of: February 1, 1971

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1953-67 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average +
Owyhee River near Gold Creek, Nevada ^{1/}	April-July	21	131	16
Owyhee River near Owyhee, Nevada ^{1/}	April-July	85	141	60
Humboldt River at Palisade, Nevada	April-July	175	113	154
West Walker below Little Walker River near Coleville, California	April-July	178	125	143
Virgin River at Virgin, Utah	April-June	45	118	38

^{1/} Corrected for storage

+ 1953-1967 period.



PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Peak-flow forecasts not issued until March 1, 1971.		

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Low-flow forecast not issued until March 1, 1971.			

SOIL MOISTURE MEASUREMENTS

STATION	Profile (Inches)		Soil Moisture (Inches)		
	Depth	Capacity	Date	This Year	Average †
<u>OWYHEE-HUMBOLDT BASIN</u>					
Big Bend	48	16.7	1/27	15.2	15.6 *
Rodeo Flat	42	11.0	1/27	7.5	10.7 *
Taylor Canyon	48	15.1	1/27	12.5	13.4 *
<u>TAHOE-TRUCKEE BASIN</u>					
Hagans Meadow	36	3.7	1/28	2.9	-
Independence Camp	34	6.1	1/27	7.2	5.4 *
Marlette Lake	50	3.7	1/27	2.2	3.4 *
Ward Creek	49	5.8	1/29	4.5	5.7 *
<u>WALKER BASIN</u>					
Sonora Pass	48	8.3	1/26	8.0	8.2 *
Virginia Lakes Ridge	40	5.0	1/25	2.1	-
* Adjusted average					

† 1953-1967 period.



RESERVOIR STORAGE (Thousand Acre Feet) as of February 1, 1971

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
Owyhee	Wild Horse	72	42	8	13
Lower Humboldt	Rye Patch	179	166	160	67
Colorado	Mohave	1,810	1,624	1,648	1,675
Colorado	Mead	27,217	16,801	16,890	16,600
Tahoe	Tahoe	732	551	700	397
Truckee	Boca	41	32	28	7
Truckee	Stampede	220	99	53	**
Truckee	Prosser ***	30	9	10	8 *
Carson	Lahontan	286	213	267	173
West Walker	Topaz	59	37	55	32
East Walker	Bridgeport	42	31	39	26

* Adjusted average.
 ** Storage began August 1, 1969.
 *** Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average †
October 1	936	999	656
January 1	1,026	1,062	660
February 1	1,072	1,255	715
March 1		1,206	768
April 1		1,182	839
May 1		1,167	890

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-Feet.

TOTAL USABLE CAPACITY 1,411

† 1953-1967 period.



SNOW COURSE MEASUREMENTS

SNOW COURSE MEASUREMENTS			THIS YEAR		PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME						Last Year	Average †
<u>SNAKE RIVER</u>							
Bear Creek	1/28	48	17.6a	15.2a	11.3 *		
Goat Creek	1/30	51	18.4	13.5a	10.3 *		
Hummingbird Springs	1/30	65	23.6	17.0a	11.1 *		
Merritt Mountain	1/27	10	2.8a	5.9a	-		
Pole Creek Ranger Station	1/30	49	18.0	16.7	10.8 *		
Red Point	1/28	12	4.4a	8.0a	6.2 *		
76 Creek	1/27	25	9.2a	13.9a	6.1 *		
Stag Mountain	1/27	12	3.5a	5.6a	-		
<u>OWYHEE RIVER</u>							
Big Bend	1/27	25	7.8	7.0a	5.3		
Columbia Basin	1/27	18	5.6a	8.3a	-		
Fawn Creek	1/27	0	0.0a	4.2a	-		
Gold Creek	1/27	16	5.0	4.4	3.6		
Jack Creek, Upper	1/27	11	3.3	5.2a	5.1 *		
Laurel Draw	1/29	11	3.7	6.1	4.8 *		
Taylor Canyon	1/27	12	3.6	3.4	3.6 *		
<u>UPPER HUMBOLDT RIVER</u>							
American Beauty	1/27	15	4.4a	6.1a	-		
Corral Canyon	1/27	14	4.0a	12.2a	-		
Fry Canyon	1/27	13	4.1	5.4	4.7		
Lamoille #1	1/29	22	7.6	Tr	6.2		
Lamoille #2	1/29	14	5.4	5.5	5.7		
Lamoille #3	1/29	25	8.6	7.3	7.5		
Lamoille #4	1/29	42	15.6	13.8	11.1 *		
Lamoille #5	1/29	54	20.7	25.0	16.4 *		
Pole Canyon	1/27	12	3.5a	12.9a	-		
Robinson Lake	Est.	30	10.0a	31.3a	-		
Rodeo Flat	1/27	4	1.3	3.7	4.2		
Tremewan Ranch	1/27	1	0.1	Tr	1.2 *		
Trout Creek, Upper	1/27	15	4.5a	12.6a	-		
Tent Mountain, Lower	1/27	45	15.3a	36.7a	-		
<u>LOWER HUMBOLDT RIVER</u>							
Granite Peak	1/28	37	15.4	17.2	8.3 *		
Martin Creek	1/28	19	7.3	8.3	5.7 *		
Midas	1/27	0	0.0a	1.4a	-		
Toe Jam	1/27	12	3.6	9.1a	-		
<u>EASTERN NEVADA</u>							
Baker #3	1/26	24	6.7a	9.3a	-		
Mt. Defiance	1/26	39	12.9a	7.0a	-		
Murray Summit	1/27	19	4.8	-	-		

† 1953-1967 period.



SNOW COURSE MEASUREMENTS

SNOW COURSE MEASUREMENTS		THIS YEAR		PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME					Last Year	Average †
EASTERN NEVADA (Continued)						
Robinson Summit	1/27	10	3.0	-	-	
Silver Creek #2	1/26	15	4.2a	3.1a	-	
Ward Mountain #2	1/26	18	5.0a	3.1a	-	
LAKE TAHOE-TRUCKEE RIVER						
Boca #2	1/27	31	11.1	1.1	5.2	
Brockway Summit	1/31	46	17.0	14.1	10.0 *	
Castle Creek	1/27	124	55.6	41.5	50.9	
Donner Park #2	1/27	62	22.9	4.8	10.8 *	
Donner Summit	1/28	88	39.2	23.9	23.6	
Echo Summit	2/01	76	30.8	26.9	22.7	
Fordyce Lake	1/25	94	41.4a	11.0a	22.5 *	
Freel Bench	1/28	41	15.1	8.5	7.8 *	
Furnace Flat	1/25	103	45.3a	20.0a	27.4 *	
Glenbrook #2	1/30	37	11.5	9.2	6.8 *	
Hagans Meadow	1/28	43	15.3	16.4	12.6 *	
Heavenly Valley	1/27	66	25.6	22.2	-	
Independence Camp	1/27	64	24.7	12.9	-	
Independence Creek	1/27	47	17.2	4.3	-	
Marlette Lake	1/27	41	16.0	17.9	12.5 *	
Mt. Rose Ski Area	1/28	100	41.7	38.2	-	
Richardsons #2	1/30	51	17.0	8.2	10.9	
Sage Hen Creek	1/27	60	22.6	7.3	11.8	
Squaw Valley	2/02	115	49.5	39.0	27.6 *	
Tahoe City	Course Destroyed				7.7	
Truckee #2	1/28	43	16.2	7.0	10.4 *	
Truckee, Upper	1/28	42	15.2	4.5	7.2 *	
Ward Creek #2	1/29	95	39.6	29.7	25.3 *	
Ward Creek #3	1/29	92	37.2	24.3	-	
CARSON RIVER						
Carson Pass, Upper	1/27	77	33.6	26.4	20.3	
Ebbetts Pass	1/27	82	31.2a	27.4a	-	
Fish Lake Valley, Upper	1/27	26	9.6a	11.9a	10.6 *	
Poison Flat	1/27	33	12.5a	11.6a	11.0 *	
Wet Meadows Lake	1/27	60	22.8a	18.9a	-	
Wolf Creek	1/27	60	22.2a	24.8a	-	
WALKER RIVER						
Center Mountain	1/29	86	34.4	-	-	
Lobdell Lake	1/27	36	13.3a	11.5a	-	
Sonora Pass	1/26	56	22.2	16.4	14.2 *	
Tioga Pass	Data Delayed			23.7	17.0 *	
Virginia Lakes	1/25	33	11.7	11.0	10.3 *	
Virginia Lakes Ridge	1/25	39	12.9	9.5	-	

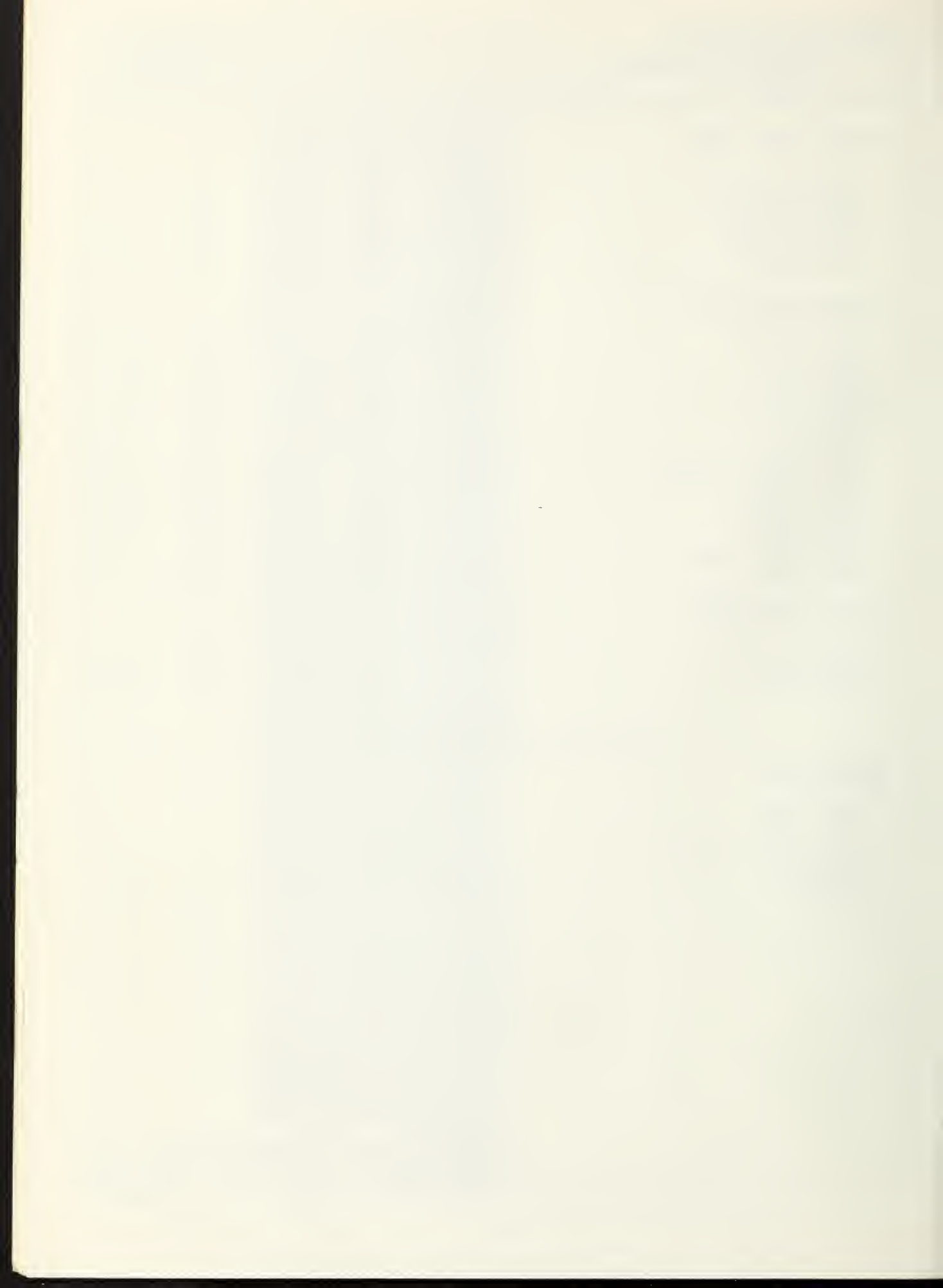
† 1953-1967 period.



SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
				Last Year	Average †
<u>CENTRAL GREAT BASIN</u>					
Campito Mountain	2/02	0	0.0	-	3.5 *
Chiatovich Flat	1/27	0	0.0a	1.5a	-
Montgomery Pass	1/29	0	0.0	0.0	1.4 *
Pinchot Creek	1/27	0	0.0a	0.0a	1.2 *
Piute Pass	1/27	0	0.0a	0.5a	3.1 *
<u>NORTHERN GREAT BASIN</u>					
Barber Creek	1/28	20	8.2	8.4	6.9 *
Cedar Pass	2/01	36	12.5	12.6	9.1
Denio Creek	1/27	0	0.0	0.0	0.6 *
Dismal Swamp	1/28	30	12.0a	11.0a	9.1 *
49 Mountain	1/28	0	0.0	1.1	3.2 *
Hays Canyon	1/28	3	1.6	1.6	2.7 *
Little Bally Mountain	1/28	0	0.0a	1.3a	1.9 *
Louse Canyon	1/27	0	0.0a	1.8a	2.0 *
Oregon Canyon	1/27	0	0.0a	3.4a	3.2 *
Quinn Ridge	1/27	0	0.0a	Tr	1.6 *
Reservation Creek	1/29	21	8.0	7.9	7.3 *
Trout Creek	1/27	0	0.0a	5.0a	3.7 *
<u>LOWER COLORADO RIVER</u>					
Mathew Canyon	2/01	1	0.5	0.0	2.3 *
Pine Canyon	2/01	5	2.4	0.0	2.6 *
<u>Delayed Data for January 1, 1971</u>					
<u>SNAKE RIVER</u>					
Bear Creek	12/30	36	11.0a		
Goat Creek	12/30	35	9.2a		
Hummingbird Springs	12/30	37	11.3a		
Red Point	12/30	13	4.0a		
76 Creek	12/30	24	7.1a		
<p>NOTE: All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average.</p>					

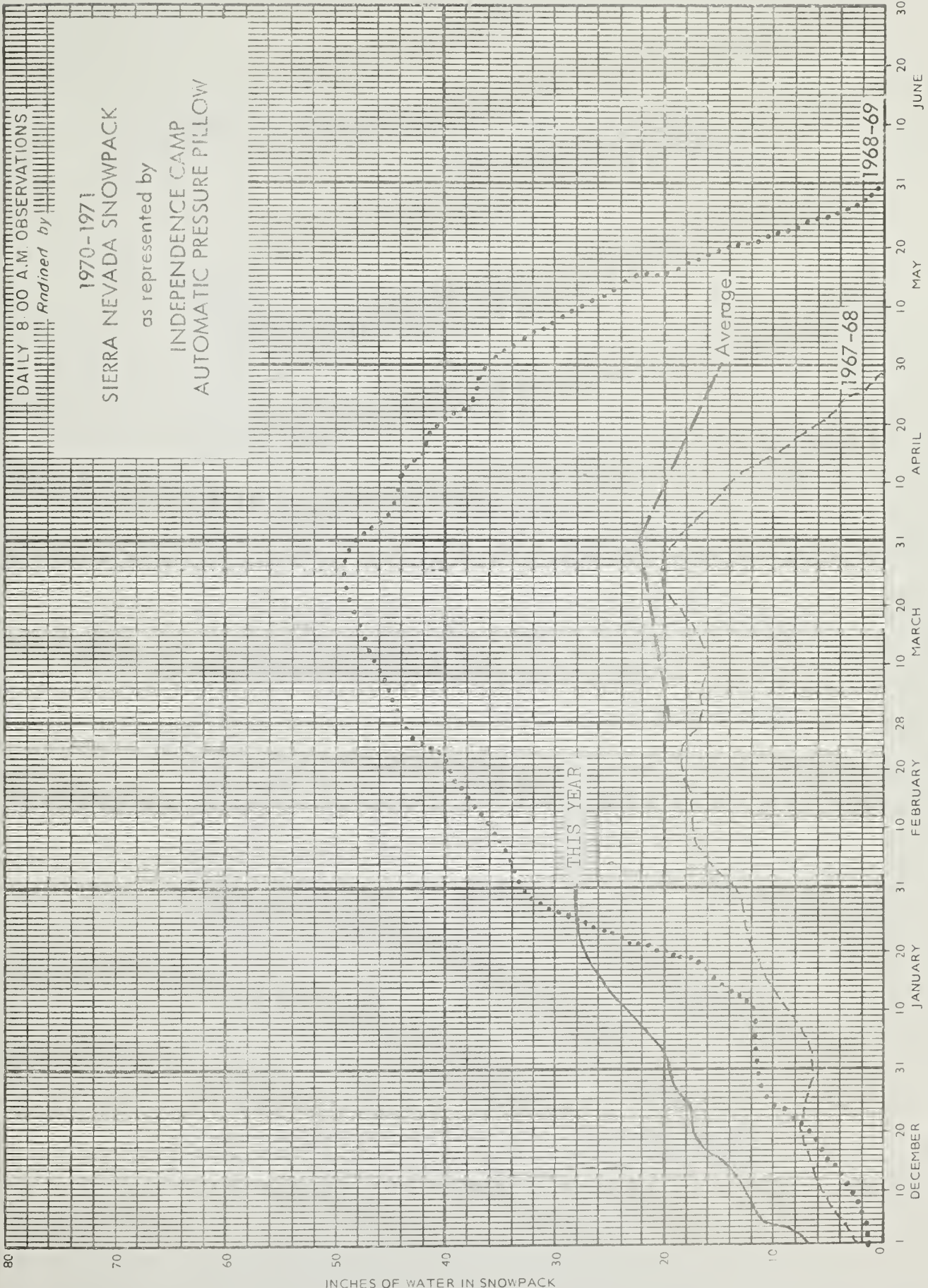
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Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U. S. District Court - Federal Water Master
- Weather Bureau

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Soil Conservation Districts
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester
- Oregon Cooperative Snow Surveys
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas and Electric Company
- Pershing County Water Conservancy District
- Sierra Pacific Power Company
- Truckee-Corson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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